

# WELDER

- DO YOU LIKE:**
- \* Working independently?
  - \* Working with your hands?
  - \* Repairing things?
  - \* Thinking creatively to solve problems?
  - \* Learning and using new technologies?



Title	Entry Wage	Average	Medium	Middle Range	Training
Welder	\$10.80	\$14.70	\$14.20	\$11.80-\$17.00	Post Secondary Vocational Training

## JOB OUTLOOK

- Excellent job opportunities, since many potential entrants may prefer more comfortable working conditions. Many new workers will be needed to replace those who retire.
- New welding technologies will create more uses for welding and expand employment opportunities. The growing use of automation will increase demand for highly skilled workers to monitor machines.
- Employment is projected to grow by 2.7 percent annually, which translated into roughly 230 new job openings per year.

## JOB DESCRIPTION

- Use heat to permanently join metal parts such as pipes or beams
- Use welding equipment to repair broken or cracked parts, fill holes and increase size of metal parts
- May perform manual welding, in which the work is entirely controlled by the welder, or semiautomatic welding, in which the welder uses machinery, such as a wire feeder, to perform welding tasks
- Plan work from drawings or specifications and use knowledge of metals to analyze the parts to be joined
- Select and set up welding equipment, execute the planned welds, and examine welds to ensure that they meet standards or specifications.
- Monitor robots or welding machines
- Chip or grind off excess weld, slag, or spatter, using hand scraper or power chipper, portable grinder, or arc-cutting equipment
- Position workpieces and clamps together or assemble in jigs or fixtures.
- Ignite torch or start power supply and strike arc
- Review layouts, blueprints, diagrams, or work orders in preparation for welding or cutting metal components

# WELDER



## WORKING CONDITIONS

- May work indoors or outdoors on a scaffold or platform
- Wear protective equipment such as goggles, boots, hoods to protect from hazards
- Work in well ventilated areas to limit exposure to fumes
- See clearly up close
- Bend, stretch, twist and reach
- Work days, swings, graves and rotating shifts
- Work weekends and overtime

## EMPLOYER REQUIREMENTS

- Welding Skills
- Reading Skills
- Testing Knowledge
- Manufacturing Knowledge
- Customer Check-in Skills

## FOR TRAINING

**Training Programs:** Bridgerland Applied Technology College  
[www.batc.tec.ut.us](http://www.batc.tec.ut.us)  
Ogden-Weber Applied Technology College  
[www.owatc.com](http://www.owatc.com)  
Davis Applied Technology College  
[www.datc.net](http://www.datc.net)  
Salt Lake Community College  
[www.slcc.edu](http://www.slcc.edu)  
Mountainland Applied Technology College  
[www.mountainlandatc.org](http://www.mountainlandatc.org)  
Uintah Basin Applied Technology College  
[www.ubatc.org](http://www.ubatc.org)  
Utah Valley State College  
[www.uvsc.edu](http://www.uvsc.edu)

**High School  
CTE Programs:** [www.usoe.k12.ut.us](http://www.usoe.k12.ut.us)  
[CTEhelp@schools.utah.gov](mailto:CTEhelp@schools.utah.gov)  
801-538-7840

**Related Job Info:** <http://careers.utah.gov>  
<http://jobs.utah.gov>

# Build your own Welder



**Picture yourself here!**

## Career Ladder

Occupation \_\_\_\_\_

Average entry wage per hour: \$ \_\_\_\_\_

Required training/experience: \_\_\_\_\_

Target completion date: \_\_\_\_\_

Training institution: \_\_\_\_\_

Funding: \_\_\_\_\_

Occupation \_\_\_\_\_

Average entry wage per hour: \$ \_\_\_\_\_

Required training/experience: \_\_\_\_\_

Target completion date: \_\_\_\_\_

Training institution: \_\_\_\_\_

Funding: \_\_\_\_\_

Occupation \_\_\_\_\_

Average entry wage per hour: \$ \_\_\_\_\_

Required training/experience: \_\_\_\_\_

Target completion date: \_\_\_\_\_

Training institution: \_\_\_\_\_

Funding: \_\_\_\_\_

Occupation \_\_\_\_\_

Average entry wage per hour: \$ \_\_\_\_\_

Required training/experience: \_\_\_\_\_

Target completion date: \_\_\_\_\_

Training institution: \_\_\_\_\_

Funding: \_\_\_\_\_

**NOTES:**